

ABSTRACT OF THE DISCLOSURE

A fluidic apparatus and method for cooling a non-uniformly heated heat source such as an integrated circuit. The apparatus preferentially cools a non-uniformly heated integrated circuit. A coolant is introduced into a high-power region of the integrated
5 circuit through an inlet. The coolant absorbs heat from this region and cools it. Thereafter, the coolant is transferred to the low-power region of the integrated circuit. After the coolant absorbs heat from the low-power region, it is removed from an outlet, which is connected to the low-power region of the integrated circuit.